

Mouse Cytochrome P450 2C8 (CYP2C8) ELISA Kit | CYP2C8 elisa kit

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CATALOG #
AAA245447

REACTIVITY
Mouse

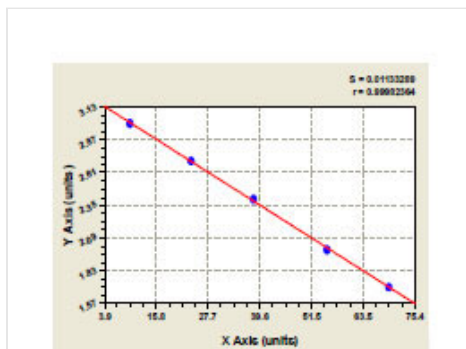
PRODUCT SYNONYMS

Cytochrome P450 2C8 (CYP2C8); Mouse Cytochrome P450 2C8 (CYP2C8) ELISA Kit; CYP2C8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2C8 elisa kit

Intended Uses: This CYP2C8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CYP2C8. This ELISA kit for research use only!

Principle of the Assay: CYP2C8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP2C8 antibody and an CYP2C8-HRP conjugate. The assay sample and buffer are incubated together with CYP2C8-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP2C8 concentration since CYP2C8 from samples and CYP2C8-HRP conjugate compete for the anti-CYP2C8 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP2C8 from the sample, fewer sites are left to bind CYP2C8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP2C8 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	98991773
NCBI GeneID	1558
NCBI Accession #	NP_000761.3
NCBI GenBank Nucleotide #	NM_000770.3
Molecular Weight	44,358 Da
NCBI Official Full Name	cytochrome P450 2C8 isoform a
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily C, polypeptide 8
NCBI Official Symbol	CYP2C8
NCBI Official Synonym Symbols	CPC8; CYP1IC8; MP-12/MP-20
NCBI Protein Information	cytochrome P450 2C8; P450 form 1; cytochrome P450 IIC2; cytochrome P450 MP-12; cytochrome P450 MP-20; cytochrome P450 form 1; microsomal monooxygenase; xenobiotic monooxygenase; s-mephenytoin 4-hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 8
UniProt Protein Name	Cytochrome P450 2C8
UniProt Gene Name	CYP2C8
UniProt Entry Name	CP2C8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cytochrome-p450-2c8-cyp2c8/245447>